## What is claimed is:

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- 1. An anti-loosening bolt assembly comprising:
  - a setscrew having an external screw on its outer periphery;
- a lock bolt having an external screw with the same pitch as the screw of the setscrew, and an axial end of which is engaged with an axial base of the setscrew;

wherein either said axial base of the setscrew or said axial end of the lock bolt has a conical protrusion part;

the other has a first concave part, with which said protrusion part is en-10 gaged; and

an outer peripheral surface of said protrusion part and an inner peripheral surface of a first concave part are slightly eccentric.

- 2. An anti-loosening bolt assembly as set forth in claim 1, wherein either said protrusion part or said first concave part is eccentric to the external screws; and the other is concentric thereto.
- 3. An anti-loosening bolt assembly as set forth in claim 1, wherein the setscrew has a engaging part with which a rotary tool engages.
- 4. An anti-loosening bolt assembly as set forth in claim 3, wherein said engaging part is a second concave part opened on either an axial end surface or the base surface.
- 5. An anti-loosening bolt assembly as set forth in claim 4, wherein the first concave part is located at the axial base of the setscrew, and said second concave part is located at axial inner recess of the first concave part.
- 6. An anti-loosening bolt assembly as set forth in claim 1, wherein the lock25 bolt has a third concave part, with which a rotary tool engages, opened on the base surface.
  - 7. An anti-loosening bolt assembly as set forth in claim 1, wherein a diameter

of the external screw is a maximum diameter of the setscrew.

- 8. An anti-loosening bolt assembly as set forth in claim 1, wherein a diameter of the external screw is a maximum diameter of the lock bolt.
- 9. An anti-loosening bolt assembly as set forth in claim 1, wherein a ratio of the maximum diameter of the protrusion part to the maximum diameter of the external screw is between 0.5 to 0.6.
  - 10. An anti-loosening bolt assembly comprising:

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- a setscrew screwed into a screw bore;
- a lock member inserted into the screw bore nearer to the recess than the setscrew;

wherein a concave part is formed in either a top surface of said lock member or a lower end surface of the setscrew;

a protrusion part fitted into the concave part is formed on the another surface; and

a peripheral surface of said protrusion part and inside surface of a first concave part is slightly eccentric.